



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 5, 2016

Denise Dzialo
MacDermid Agricultural Solutions, Inc.
245 Freight Street
Waterbury, CT 06702-1818

Subject: Label Amendment: Revises use directions for all crops into tabular format; deletes individual pea/bean crops in lieu of associated subgroup headings, adds diseases for beans and peas; corrects error in number of seeds treated for Sweet Corn

Product Name: Rancona 3.8 FS
EPA Registration Number: 400-544
Application Date: September 3, 2015
Decision Number: 509408

Dear Ms. Dzialo:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Tony Kish by phone at 703 308-9443, or via email at kish.tony@epa.gov; or Craig Reeves by phone at 703 347-0486, or via email at reeves.craig@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Tony Kish". The signature is written in a cursive style with a large, looped initial "T".

Tony Kish, Product Manager 22
Fungicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure: Stamped Accepted Label

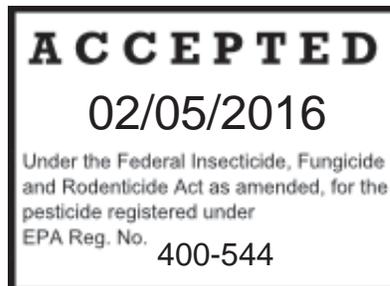
Rancona[®] 3.8 FS

SEED TREATMENT FUNGICIDE

Active Ingredient:
ipconazole (CAS No. 125225-28-7)..... 40.7%*
Other Ingredients: 59.3%
Total:.....100.0%

*Contains 3.77 pounds of active ingredient per gallon.

*Contains 452 grams of active ingredient per liter.



**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by the poison control center or doctor.• Do not give anything to an unconscious person.
EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
24 HOUR EMERGENCY NUMBER	1-866-928-0789
For PRODUCT USE INFORMATION: Call 1-866-761-9397	

Net Contents:

EPA REG. NO. 400-544
EPA EST. NO.
019/XXXXXX

Manufactured for:
MacDermid Agricultural Solutions, Inc.
245 Freight St.
Waterbury, CT 06702

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or Viton. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Cover or incorporate spilled treated seed. This fungicide may persist in soil and long-term use in the same field may result in an accumulation of active ingredient. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all label directions carefully before use.

Do not apply this product in a way that will contact workers or other persons. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

GENERAL

Rancona[®] 3.8 FS is a systemic broad-spectrum fungicide seed treatment specifically for protection against a wide variety of soil borne and seed borne diseases as listed in the Application Instructions table for the specific crops. . Rancona 3.8 FS does not provide activity against *Pythium* spp. or *Phytophthora* spp. To provide best seedling protection against these specific fungal pathogens, use Rancona 3.8 FS in combination with a product containing metalaxyl (such as Belmont[®] 2.7 FS) at the label rate registered for your crop and disease complex. Consult the label for appropriate use rate and follow all use instructions and precautions for both products. For broader spectrum control, Rancona 3.8 FS may be mixed in a water-based slurry with other registered seed treatment insecticides and fungicides, however, do not use with other seed treatment products unless previous experience assures compatibility.

NOTE: This product is undyed. The purchaser of this product is responsible for ensuring that all seed treated with this product are adequately colored with a suitable colorant to prevent its accidental use as food for man or feed for animals. Refer to 21CFR, Part 2.25. Any colorant added to treated seed must be cleared for use under 40CFR, Part 153.155.

SEED TREATMENT EQUIPMENT

Rancona 3.8 FS may be applied with standard mechanical, slurry, or mist-type commercial seed treating equipment only, provided that the equipment can be calibrated to accurately and uniformly apply the product to seed. Rancona 3.8 FS is *not for use on agricultural establishments in hopper-box, planter-box, slurry-box or other seed treatment applications at or immediately before planting.*

Uniform application to seed is necessary to ensure best disease protection and optimum performance. Seed should be sound and well-cured before treatment. Refer to the label rates below. Product requires dilution prior to application. Contact your local MacDermid Agricultural Solutions, Inc. representative or supplier for specific recommendations.

TREATED SEED LABELING

Seed that has been treated with this product that is then packaged or bagged for future use must contain the following labeling on the outside of the seed package or bag:

"This bag contains seed treated with ipconazole. Do not use for Food, Feed, or Oil Purposes. Persons opening this bag or loading/pouring the treated seed must wear a long-sleeved shirt, long pants, shoes, socks and chemical-resistant gloves. After seeds have been planted, do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. *Exception:* Once seeds are planted and covered by soil or other planting media, the Worker Protection Standard (WPS) allows workers to enter the treated area without restriction."

"Do not graze or feed livestock on treated areas or hay grown from treated peanut seed."

APPLICATION INSTRUCTIONS

FAILURE TO FOLLOW DIRECTIONS ON THIS LABEL MAY RESULT IN CROP INJURY OR POOR DISEASE CONTROL

Crop	Application Rate	Diseases Controlled	Diseases Partially Controlled*
Wheat	0.051 to 0.085 fl oz per 100 lb seed To deliver 0.0005 - 0.0009 mg ai per seed, apply 0.004 - 0.007 fl oz per 100,000 seeds (Based on average of 13,000 seeds per lb)	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp., <i>Rhizoctonia solani</i> and <i>Cochliobolus</i> <i>sativus</i>) Loose Smut (<i>Ustilago tritici</i>) Common bunt (<i>Tilletia caries</i> , <i>T. foetida</i>)	Common Root Rot (<i>Cochliobolus</i> <i>sativus</i>) Crown and Foot Rot (<i>Fusarium</i> spp.)
Barley	0.051 to 0.085 fl oz per 100 lb seed To deliver 0.0005 - 0.0009 mg ai. per seed, apply 0.004 - 0.007 fl oz per 100,000 seeds (Based on average of 13,000 seeds per lb)	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp., <i>Rhizoctonia solani</i> and <i>Cochliobolus</i> <i>sativus</i>) True Loose Smut (<i>Ustilago nuda</i>) Covered Smut (<i>U. hordei</i>) False Loose Smut (<i>U. nigra</i>)	Common Root Rot (<i>Cochliobolus</i> <i>sativus</i>) Crown and Foot Rot (<i>Fusarium</i> spp.) Leaf stripe (<i>Pyrenophora graminea</i>)
Oats	0.051 to 0.085 fl oz per 100 lb seed To deliver 0.0005 - 0.0009 mg ai per seed, apply 0.004 - 0.007 fl oz per 100,000 seeds (Based on average of 13,000 seeds per lb)	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp., <i>Rhizoctonia solani</i> and <i>Cochliobolus</i> <i>sativus</i>) Loose Smut (<i>Ustilago avenae</i>) Covered Smut (<i>U. koleri</i>)	Common Root Rot (<i>Cochliobolus</i> <i>sativus</i>) Crown and Foot Rot (<i>Fusarium</i> spp.)
Rye, Triticale	0.051 to 0.085 fl oz per 100 lb seed To deliver 0.0004 - 0.0006 mg ai per seed, apply 0.003 - 0.005 fl oz per 100,000 seeds (Based on average of 18,850 seeds per lb)	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp., <i>Rhizoctonia solani</i> and <i>Cochliobolus</i> <i>sativus</i>)	Common Root Rot (<i>Cochliobolus</i> <i>sativus</i>) Crown and Foot Rot (<i>Fusarium</i> spp.)

Crop	Application Rate	Diseases Controlled	Diseases Partially Controlled*
Buckwheat, Millet	0.051 to 0.085 fl oz 100 lb seed	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)	
Field Corn, Popcorn	0.044 to 0.085 fl oz per 100 lb seed For field corn: To deliver 0.0035 - 0.0067 mg ai per seed, apply 0.021 – 0.040 fl oz per 80,000 seeds (Based on average of 1,680 seeds per lb) For popcorn: To deliver 0.0019 - 0.0037 mg ai per seed, apply 0.012 – 0.022 fl oz per 80,000 seeds (Based on average of 3,060 seeds per lb)	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)	Root Rot (<i>Fusarium</i> spp.)
Sweet Corn	0.085 fl oz per 100 lb seed To deliver 0.0036 mg ai per seed, apply 0.027 fl oz per 100,000 seeds (Based on average of 3,150 seeds per lb)	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)	Root Rot (<i>Fusarium</i> spp.)
Sorghum	0.051 to 0.17 fl oz per 100 lb seed	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)	
Soybeans	0.085 fl oz per 100 lb seed To deliver 0.0040 mg ai per seed, apply 0.043 fl oz per 140,000 seeds (Based on average of 2,800 seeds per lb.)	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp., <i>Rhizoctonia solani</i> and <i>Phomopsis</i> (<i>Diaporthe</i>) Seed-borne <i>Botrytis</i> and <i>Sclerotinia</i>	Root rot caused by <i>Fusarium</i> spp.
Beans (dried or succulent shelled and edible podded)	0.085 fl oz per 100 lb seed To deliver 0.0071 mg ai per seed, apply 0.053 fl oz per 100,000 seeds (Based on average of 1,600 seeds per lb.)	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>) Seedling blight (seed borne <i>Ascochyta</i> spp.) Seed-borne <i>Botrytis</i> and <i>Sclerotinia</i>	Root rot (<i>Fusarium</i> spp.) Anthracnose (seed borne <i>Colletotrichum lindemuthianum</i>)

Crop	Application Rate	Diseases Controlled	Diseases Partially Controlled*
Peas (dried or succulent shelled and edible podded)	0.085 fl oz per 100 lb seed To deliver 0.0035 mg ai per seed, apply 0.027 fl oz per 100,000 seeds (Based on average of 3,200 seeds per lb.)	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>) Seedling blight (seed borne <i>Ascochyta</i> spp.) Seed-borne <i>Botrytis</i> and <i>Sclerotinia</i>	Root rot (<i>Fusarium</i> spp.)
Peanuts **	0.085 fl oz per 100 lb seed	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp., <i>Rhizoctonia solani</i> and <i>Cylindrocladium</i> spp.)	
Root Vegetables, except potatoes (seed, tubers, or propagating material)	0.34 fl. oz per 100 lb seed	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blight (seed and / or soil borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)	
Sunflower	0.051 - 0.085 fl oz per 100 lb seed	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)	
Leafy Vegetables (Brassica)	0.051 - 0.34 fl oz per 100 lb seed	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)	
Leafy Vegetables (non- Brassica)	0.051 - 0.34 fl oz per 100 lb seed	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> and <i>Rhizoctonia solani</i>)	
Spinach	0.34 fl. oz per 100 lb seed	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>) Seed-borne <i>Verticillium dahliae</i>	
Cucurbits	0.051 - 0.34 fl oz per 100 lb seed	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)	

Crop	Application Rate	Diseases Controlled	Diseases Partially Controlled*
Cotton	0.051 - 0.34 fl oz per 100 lb seed	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)	
Mustard, Rape, Canola	0.051 - 0.34 fl oz per 100 lb seed	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>) Phoma stem canker / blackleg (<i>Leptoshaeria maculans</i>)	
Ornamental Flowers	0.051 - 0.34 fl oz per 100 lb seed	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)	
Conifers	0.051 - 0.34 fl oz per 100 lb seed	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)	
Turfgrass	0.051 - 0.085 fl oz per 100 lb seed	Seed rots (seed and soil borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed and / or soil borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)	

* Partial control can either mean erratic control from good to poor, or consistent control at a level below that generally considered acceptable for commercial disease control.

** Do not graze or feed livestock on treated areas or on hay grown from treated seed

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container only. After partial use, replace lid and close tightly. Store in a secure place that is temperate, dry and out of direct sunlight. Avoid excess heat. Do not freeze. ALWAYS SHAKE OR STIR WELL BEFORE USE.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Cover or incorporate spilled treated seeds.

EQUIPMENT CLEANING: Following applications, all seed treatment equipment should be thoroughly rinsed with water. Do not contaminate water by disposal of equipment washwater or rinsate.

CONTAINER DISPOSAL:

Nonrefillable Container

Plastic Containers: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer container for recycling if available, reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Triple rinse as follows:

For containers with capacity equal to or less than 5 gallons:

Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Add water - at least 2% of the container volume, and up to 1/3 of the volume of water needed to make the proper slurry composition with a maximum of 1/4 of the container volume - and recap. Shake for 30 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

For containers with capacities greater than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Add water - at least 2% of the container volume, and up to 1/3 of the volume of water needed to make the proper slurry composition, with a maximum of 1/4 of the container volume. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 60 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

Refillable Container

Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container.

Cleaning before refilling is the responsibility of the refiller.

To clean the container before final disposal, empty the remaining contents into application equipment or mix tank. Add water - at least 2% of the container volume, and up to 1/3 of the volume of water needed to make the proper slurry composition, with a maximum of 10% of the container volume. Replace and tighten closure. Agitate vigorously or recirculate the rinsate with a pump for at least 2 minutes, ensuring that the rinsate rinses the walls of the container. Empty the rinsate into application equipment or rinsate collection system, for later use or disposal. Repeat this procedure two more times. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

Recycling

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact the Ag Container Recycling Council (ACRC) at 1-877-952-2272 (toll free) or www.acrecycle.org.

IMPORTANT NOTICE - MacDermid Agricultural Solutions, Inc. warrants that this product conforms to the chemical description and is reasonably fit for the purposes stated on the label only when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product, contrary to label instructions, or under conditions not reasonably foreseeable to seller, and, to the extent consistent with applicable law, the buyer assumes the risk of any such use.

Treatment of highly mechanically damaged seed, or seed known to be of low vigor and poor quality, except for the purpose of curative control of existing disease pests, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small test sample of seed before treating commercial quantities with a selected chemical treatment. Due to seed quality and seed storage conditions beyond the control of MacDermid Agricultural Solutions, Inc., MacDermid Agricultural Solutions, Inc. makes no claims or guarantees as to germination of carry-over seed.

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